

Plw

APR 17 2018



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

002595

D206-642-411
Job Sheet 176129



Part No: D206-642-411

Job Qty: 1 ea

Part Name: Skidtube LH, High Gear with Standard Wearplates



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 4/17/18

Job Tracking No:

Due Date: 4/23/18

Created By: Linda Lacelle

Type: SOLD

Description:

Note: DWG REV Q SHEETS 31-32 IPP Rev:K 05.10.11 Revised picklist per CHG004 KJ/CP/JLM IPP Rev:L 07-12-04 ECN 1080p DD verified by:ec IPP rev:M 08-09-29 as per DSI9421 DD verified by: IPP Rev:N 12.11.21 ECN12-679 DD verf:JLM IPP REV:O 14.04.25 AS PER ECN14-520 DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	4/23/18	4/23/18	0.00	0.00	Start Up Stores/Pkg-1		APR 18 2018
110	Packaging	1 pcs	4/23/18	4/23/18	0.00	0.00	Packaging1-2		APR 18 2018
120	QC	1 pcs	4/23/18	4/23/18	0.00	0.00	QC4		58
125	DC	1 pcs	4/23/18	4/23/18	0.00	0.00	DC		9-89
130	Packaging	1 pcs	4/23/18	4/23/18	0.00	0.00	Packaging3-1		58
140	QC21-FG	1 Ea	4/23/18	4/23/18	0.00	0.00	QC21		9-89 APR 19 2018

Part Op 125 - Photocopy bluefile and create labels per PPP D206-642-411 CHG008

Descriptions: 130 - Identify and pack for shipping as per PPP D206-642-411 Location :FG083

DAS
21
9-89

APR 19 2018

DART aerospace				1270 ABERDEEN ST. HAWKESBURY, ON CANADA K6A 1K7 TEL: 1-613-632-5200 www.dartaero.com	
PATENT	US #5735484 / CA #2222184 / EURO #0828655				
P/N	D206-642-441	CHG	CHG005		
DESC	Replacement Skidtube	STC	SH98-4		
LOT	B163164	STC	SA00475SE		
MODEL	Bell 206L/L1/L3/L4	STC			
TC APPROVAL # 09-89		MADE IN CANADA		D2729-4	

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Dart Aerospace Ltd. 1270 Aberdeen Street Newbury, ON K6A 1K7 CANADA TEL: 1 813 832-5200 Email: sales@dartaero.com www.dartaerospace.com DART AEROSPACE Container No: S062385 Part: D206-642-411 Job No: 176129 Serial No/Batch: S062385 Revision: _____ Inspector: _____ Date: 04/18/18 <table style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">Root Cause</td> </tr> <tr> <td style="width: 50%; vertical-align: top;"> <table style="width:100%; border-collapse: collapse;"> <tr><td>Environment</td><td>☐</td></tr> <tr><td>Design</td><td>☐</td></tr> <tr><td>Doc/Data</td><td>☐</td></tr> <tr><td>Equip/Tooling</td><td>☐</td></tr> <tr><td>Handling/Pre</td><td>☐</td></tr> <tr><td>Material</td><td>☐</td></tr> <tr><td>Internal Transport</td><td>☐</td></tr> <tr><td>Tribal Knowledge</td><td>☐</td></tr> <tr><td>LOA</td><td>☐</td></tr> <tr><td>Substation</td><td>☐</td></tr> <tr><td>Past Expiry Date</td><td>☐</td></tr> <tr><td>Misidentified</td><td>☐</td></tr> </table> </td> <td style="width: 50%; vertical-align: top;"> <table style="width:100%; border-collapse: collapse;"> <tr><td>No Re-verification</td><td>☐</td></tr> <tr><td>Operator</td><td>☐</td></tr> <tr><td>Offset/Setup</td><td>☐</td></tr> <tr><td>Supplier</td><td>☐</td></tr> <tr><td>Training</td><td>☐</td></tr> <tr><td>Use for Testing</td><td>☐</td></tr> <tr><td>Poor Information</td><td>☐</td></tr> <tr><td>Rushing</td><td>☐</td></tr> <tr><td>Product Improvement</td><td>☐</td></tr> <tr><td>Process Improvement</td><td>☐</td></tr> <tr><td>Manufacturing Process</td><td>☐</td></tr> <tr><td>Past Due</td><td>☐</td></tr> </table> </td> </tr> <tr> <td colspan="2" style="text-align: center;">OTHER : _____</td> </tr> </table> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 33%; vertical-align: top;"> Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ </td> <td style="width: 33%; vertical-align: top;"> Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ </td> <td style="width: 33%; vertical-align: top;"> Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ </td> </tr> </table> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 33%; vertical-align: top;"> Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐ </td> </tr> </table>						Root Cause		<table style="width:100%; border-collapse: collapse;"> <tr><td>Environment</td><td>☐</td></tr> <tr><td>Design</td><td>☐</td></tr> <tr><td>Doc/Data</td><td>☐</td></tr> <tr><td>Equip/Tooling</td><td>☐</td></tr> <tr><td>Handling/Pre</td><td>☐</td></tr> <tr><td>Material</td><td>☐</td></tr> <tr><td>Internal Transport</td><td>☐</td></tr> <tr><td>Tribal Knowledge</td><td>☐</td></tr> <tr><td>LOA</td><td>☐</td></tr> <tr><td>Substation</td><td>☐</td></tr> <tr><td>Past Expiry Date</td><td>☐</td></tr> <tr><td>Misidentified</td><td>☐</td></tr> </table>	Environment	☐	Design	☐	Doc/Data	☐	Equip/Tooling	☐	Handling/Pre	☐	Material	☐	Internal Transport	☐	Tribal Knowledge	☐	LOA	☐	Substation	☐	Past Expiry Date	☐	Misidentified	☐	<table style="width:100%; border-collapse: collapse;"> <tr><td>No Re-verification</td><td>☐</td></tr> <tr><td>Operator</td><td>☐</td></tr> <tr><td>Offset/Setup</td><td>☐</td></tr> <tr><td>Supplier</td><td>☐</td></tr> <tr><td>Training</td><td>☐</td></tr> <tr><td>Use for Testing</td><td>☐</td></tr> <tr><td>Poor Information</td><td>☐</td></tr> <tr><td>Rushing</td><td>☐</td></tr> <tr><td>Product Improvement</td><td>☐</td></tr> <tr><td>Process Improvement</td><td>☐</td></tr> <tr><td>Manufacturing Process</td><td>☐</td></tr> <tr><td>Past Due</td><td>☐</td></tr> </table>	No Re-verification	☐	Operator	☐	Offset/Setup	☐	Supplier	☐	Training	☐	Use for Testing	☐	Poor Information	☐	Rushing	☐	Product Improvement	☐	Process Improvement	☐	Manufacturing Process	☐	Past Due	☐	OTHER : _____		Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
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Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3-41A	Bolt	8 Ea (8 ea)	90-Start up Operation	5038750
AN4-6A	Bolt	12 Ea (12 ea)	90-Start up Operation	5044186
AN4C5A	Bolt	1 Ea (1 ea)	90-Start up Operation	5019407
AN5-11A	Bolt	8 Ea (8 ea)	90-Start up Operation	5003927
AN5-12A	Bolt	4 Ea (4 ea)	90-Start up Operation	5003926
AN5-13A	Bolt	4 Ea (4 ea)	90-Start up Operation	50136921
D206-642-441	Replacement Skidtube, High Gear with Standard Wearplates Fits LH or RH	1 Ea (1 ea)	90-Start up Operation	5163163
D206-648-013	Ground Handling Wheel Modification	1 Ea (1 ea)	90-Start up Operation	5059293
D2652	Bushing	16 Ea (16 ea)	90-Start up Operation	5043981
D2712	Set Screw	10 Ea (10 ea)	90-Start up Operation	5031303
D2932-1	Saddle LH Out, 206	1 Ea (1 ea)	90-Start up Operation	5059221
D2933-1	Saddle LH In, 206	1 Ea (1 ea)	90-Start up Operation	5059222
D2934	Saddle Spacer	2 Ea (2 ea)	90-Start up Operation	5054584
D2935	Saddle Spacer	2 Ea (2 ea)	90-Start up Operation	5054582
D2938-1	Saddle LH Out, 206	1 Ea (1 ea)	90-Start up Operation	5059228
D2939-1	Saddle LH In, 206	1 Ea (1 ea)	90-Start up Operation	5059230
D3407-043	Tow Ring	1 Ea (1 ea)	90-Start up Operation	5159457
D3413-1	O-Ring	1 Ea (1 ea)	90-Start up Operation	5159722
D3456-1	Washer	1 Ea (1 ea)	90-Start up Operation	5050328
D3457-1	Washer	2 Ea (2 ea)	90-Start up Operation	5035433
MS21042L3	Nut	8 Ea (8 ea)	90-Start up Operation	5038764
MS21042L4	Nut	12 Ea (12 ea)	90-Start up Operation	5045901
MS21043-4	Nut	1 Ea (1 ea)	90-Start up Operation	5038086
NAS1149C0463R Washer		1 Ea (1 ea)	90-Start up Operation	5019381
NAS1149D0363J Washer		8 Ea (8 ea)	90-Start up Operation	5015269
NAS1149D0463J Washer		24 Ea (24 ea)	90-Start up Operation	5045845
NAS1149D0563J Washer		8 Ea (8 ea)	90-Start up Operation	5039036

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WORK ORDER NON-CONFORMANCE / UPDATE



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OTHER : ☐																																																																									

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	AN3-41A	8	243	0
	AN4-6A	12	1,442	0
	AN4C5A	1	115	0
	AN5-11A	8	205	0
	AN5-12A	4	400	0
	AN5-13A	4	80	0
	D206-642-441	1	2	0
	D206-648-013	1	5	0
	D2652	16	903	0
	D2712	10	861	0
	D2932-1	1	3	0
	D2933-1	1	3	0
	D2934	2	78	0
	D2935	2	58	0
	D2938-1	1	3	0
	D2939-1	1	3	0
	D3407-043	1	26	0
	D3413-1	1	37	0
	D3456-1	1	117	0
	D3457-1	2	35	0
	MS21042L3	8	2,387	0
	MS21042L4	12	3,205	0
	MS21043-4	1	713	0
	NAS1149C0463R	1	316	0
	NAS1149D0363J	8	2,714	0
	NAS1149D0463J	24	4,833	0
	NAS1149D0563J	8	1,679	0
Part Specifications				
Specifications could not be found.				

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																																												
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OTHER : _____																																																																																																



CUSTOMER

ORDER

Order No : 5453

Date: 4/16/18

Ship-To Contact: Michael Miller

Email: stores@eaglecopters.com.au

Cust PO No: P16152

FOB: Shipping Point

Ship Via: JAS Forwarding

Freight Terms: PrePaid

Terms: Net 30

INCO Terms: Ex Works

Order Taker: Ernest Guo

Order Taker Phone:

Order Taker Email: equo@dartaero.com

Sub Total	\$4,182.00 USD
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Grand Total	\$4,182.00 USD
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ORDER NOTES

PLEASE SHIP ON JAS consol

Remit to: DART Aerospace Ltd., 1270 Aberdeen Street, Hawkesbury, Ontario K6A 1K7 Canada

Tel: 613 632 5200

Fax: 613 632 5246

accounting@dartaero.com

GST/HST 10127 2607

Note: A minimum 15% restocking fee is applicable. Custom items are non-refundable. Full warranty details are available at www.dartaerospace.com

Latest Revision Provided Unless Otherwise Requested

Plex 4/16/18 10:15 PM Dart.Guo.Ernest

4.6 206L/L-1/L-3/L-4 HIGH GEAR SKIDTUBES

ITEM	QTY -411	QTY -412	QTY -413	QTY -414	QTY -441	QTY -457	QTY -449	QTY -451	QTY -013	PART NUMBER	DESCRIPTION
	X									D206-642-411	SKIDTUBE INSTALLATION, LH
		X								D206-642-412	SKIDTUBE INSTALLATION, RH
			X							D206-642-413	SKIDTUBE INSTALLATION, LH
				X						D206-642-414	SKIDTUBE INSTALLATION, RH
1	1	1			X					D206-642-441	SKIDTUBE
						X				D206-642-457	WEARSHOE KIT (REPLACES -447)
							X			D206-642-449	RUN-ON LANDING WEARPLATE KIT
			1	1				X		D206-642-451	SKIDTUBE
1	1	1	1	1					X	D206-648-013	GROUND HANDLING KIT
1					1					D2650-7	SKIDTUBE ASSEMBLY
1								1		D4361-043	SKIDTUBE ASSEMBLY
2A					22			10		D2651-1	* PLUG ⁽¹⁾
2B					22			10		D2651-3	* O-RING ⁽¹⁾
3					1			1		D2646	* AFT CAP ⁽¹⁾
4					2			2		MS27039-1-08	* SCREW ⁽¹⁾
5					2			2		NAS1149D0332J	* WASHER ⁽¹⁾ (OR AN960JD10L)
6	1		1							D2932-1	SADDLE, FWD OUT, LH
6		1		1						D2932-2	SADDLE, FWD OUT, RH
7	1		1							D2933-1	SADDLE, FWD IN, LH
7		1		1						D2933-2	SADDLE, FWD IN, RH
8	1		1							D2938-1	SADDLE, AFT OUT, LH
8		1		1						D2938-2	SADDLE, AFT OUT, RH
9	1		1							D2939-1	SADDLE, AFT IN, LH
9		1		1						D2939-2	SADDLE, AFT IN, RH
10	8	8	8	8						AN3-41A	BOLT
11	16	16	16	16						D2652	BUSHING
12A	8	8	8	8						MS21042-3	NUT (OR MS21042L3)
12B	8	8	8	8						NAS1149D0363J	WASHER (OR AN960JD10)
13	4	4	4	4						AN5-11A (OR AN5-12A)	* BOLT ⁽²⁾
14	4	4	4	4						AN5-11A (OR AN5-13A)	* BOLT ⁽²⁾
15	8	8	8	8						NAS1149D0563J	WASHER (OR AN960JD516)
16	12	12	12	12						AN4-6A	BOLT
17	24	24	24	24						NAS1149D0463J	WASHER (OR AN960JD416)
18	12	12	12	12						MS21042-4	NUT (OR MS21042L4)
20A					6	6				D3537-1	WEARPAD (REPLACES D2648-3)
21A					1	1				D3537-3	WEARPAD (REPLACES D3429-1)
22A					1	1				D4956-15	WEARSHOE (REPLACES D3535-15 + D3536-15)
23A					1	1				D4956-23	WEARSHOE (REPLACES D3535-23 + D3536-23)
24A					1	1				D4956-37	WEARSHOE (REPLACES D3535-37 + D3536-37)
26A					60	60				MS27039C1-08	SCREW
26B					60	60				NAS1149D0332J	WASHER (OR AN960JD10L)
26C					60					ALS7-1032-130	* INSERT ⁽¹⁾ (or AKS4-1032-130, ALS4-1032-130, AELS-1032-130)
30	1	1	1	1						D3407-043	TOW RING ASSEMBLY (REPLACES D2968-043)
32A	1	1	1	1						D3456-1	WASHER
32B	2	2	2	2						D3457-1	WASHER
33	1	1	1	1						MS21043-4	NUT
34	1	1	1	1						AN4C5A	BOLT
35	1	1	1	1						NAS1149C0463R	WASHER (OR AN960C416)
36	1	1	1	1						D3413-1	RING (REPLACES D2655)
37	10	10	10	10						D2712	SET SCREW
38	2	2	2	2						D2934	SADDLE SPACER
39	2	2	2	2						D2935	SADDLE SPACER
40									2	D3414-041	LUG ASSEMBLY (REPLACES D2659)
41									4	AN3C37A	BOLT
42									8	D2652	BUSHING
43									4	MS21043-3	NUT
44									4	NAS1149C0363R	WASHER (OR AN960C10)

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Revision: Q

Date: 13.08.12

PAGE 1 OF 1

Description: SKIDTUBE , LH/RH

H:\Forms\Engineer\Approved Eng Online\CHGREC revB

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Skid-tube ☐</td> <td style="width: 15%;">Cross tube ☐</td> <td style="width: 15%;">Water Jet ☐</td> <td style="width: 15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																	
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